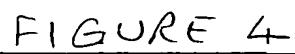


A cross-sectional diagram of a CCD sensor structure. The diagram shows a **p-substrate** at the base. Above it is an **n-well** region. Within the n-well, there is a **p+** region (labeled 20) and an **n+** region (labeled 22). The p+ region is connected to a terminal labeled **-Vav** and **P1**. The n+ region is connected to a terminal labeled **N1** and **(readout)**. A **PPD21** (Pixel Potential Device) is shown as a diode connected to the p+ region. A **PPD22** is shown as a diode connected to the n+ region. A **PPD2** is also indicated. The diagram is labeled with **12** at the top left and **16** on the left side. A **18** is labeled near the n-well region.



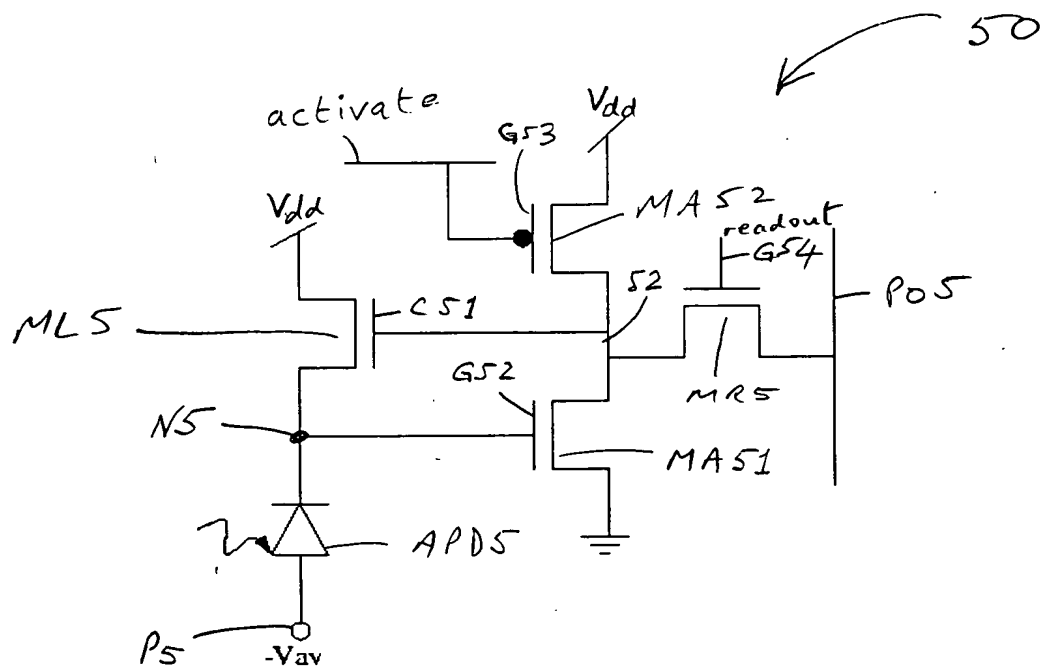


FIGURE 6

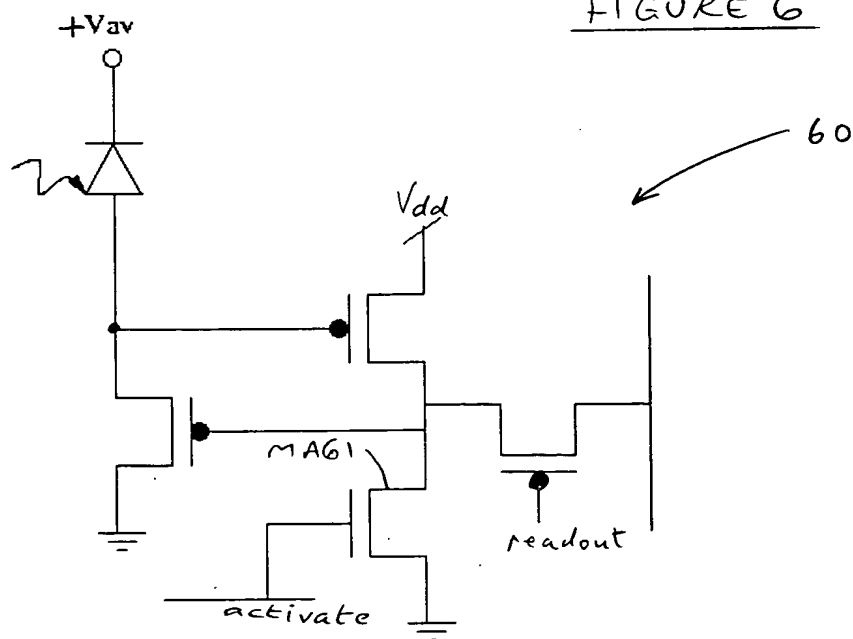


FIGURE 8

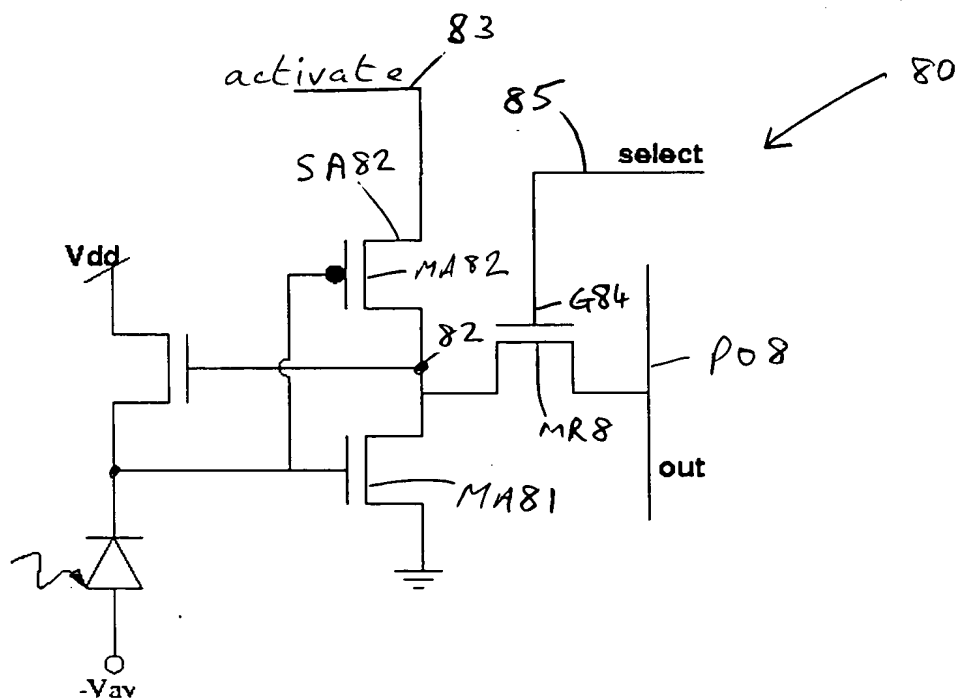
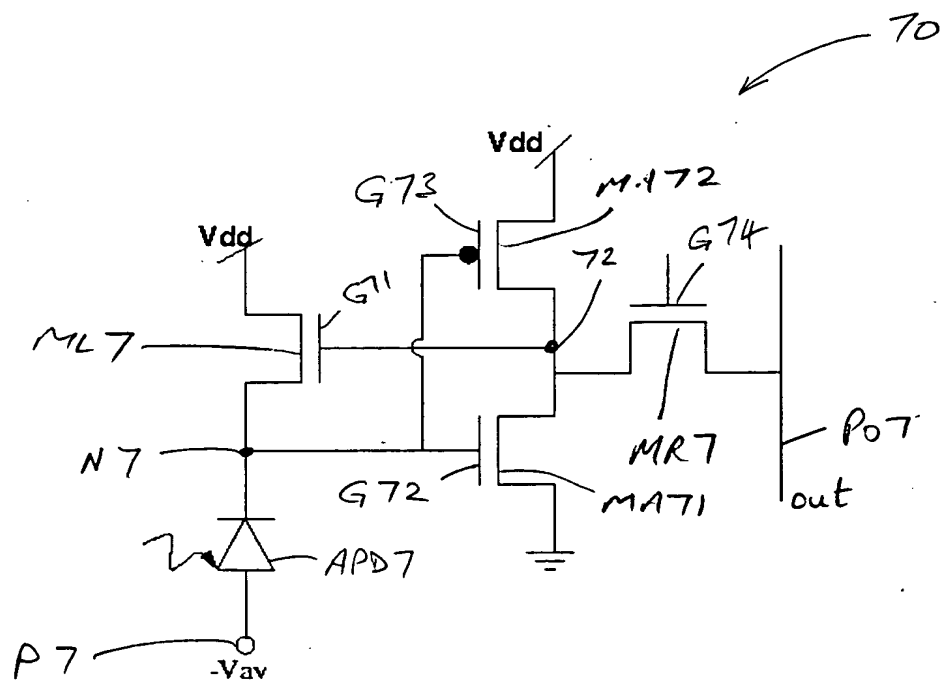


FIGURE 9

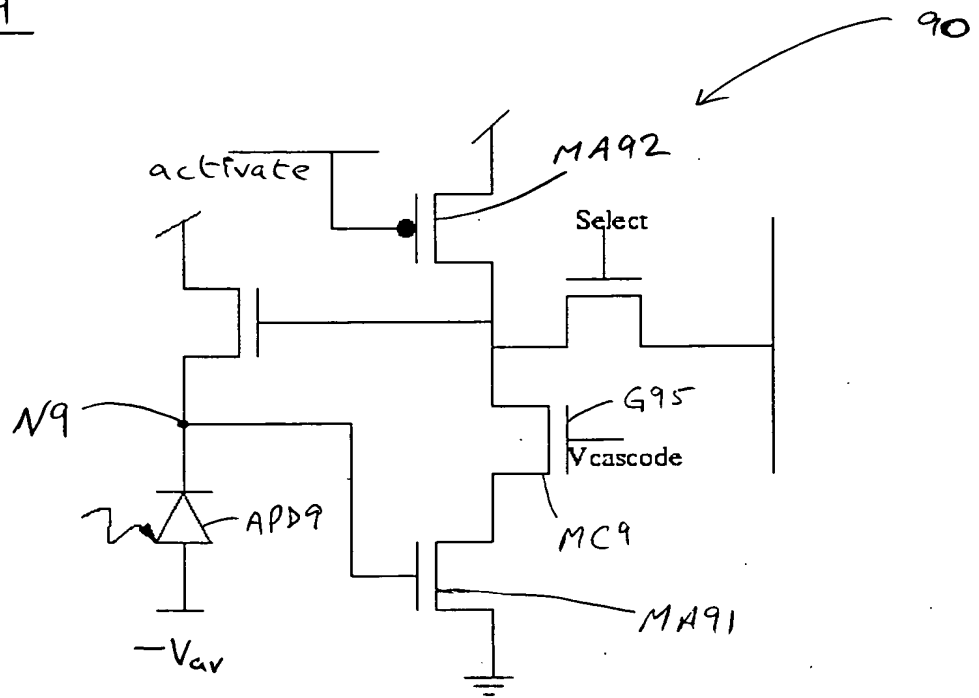
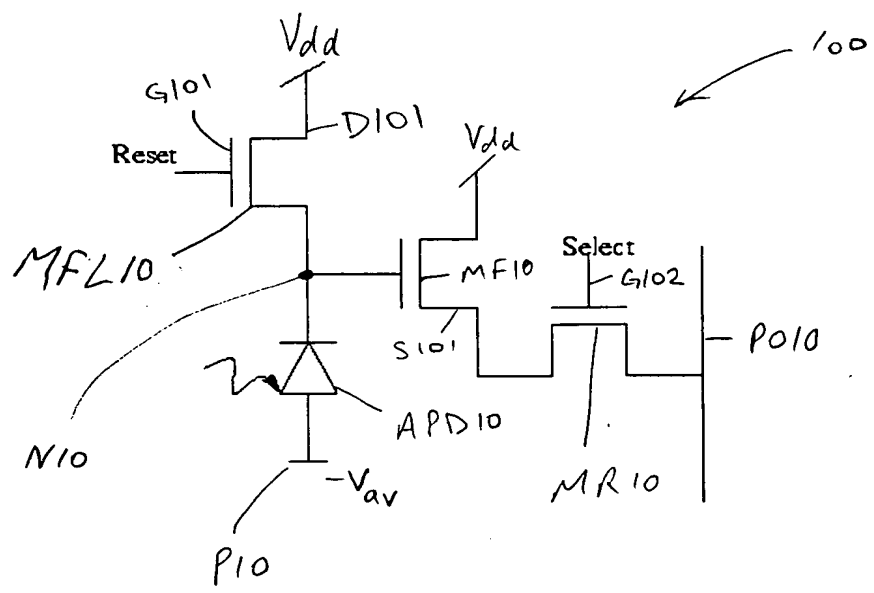
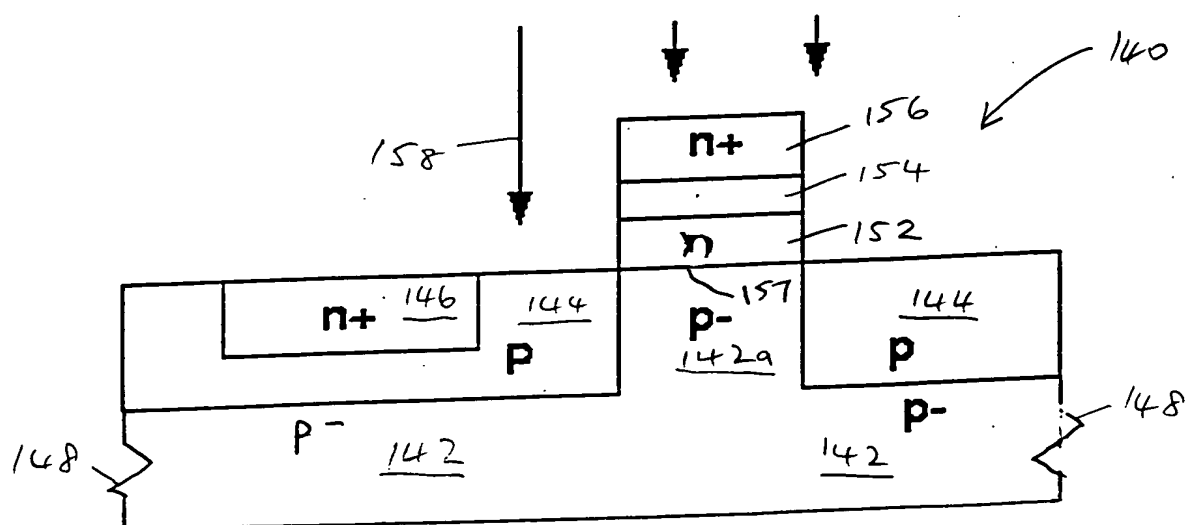


FIGURE 10





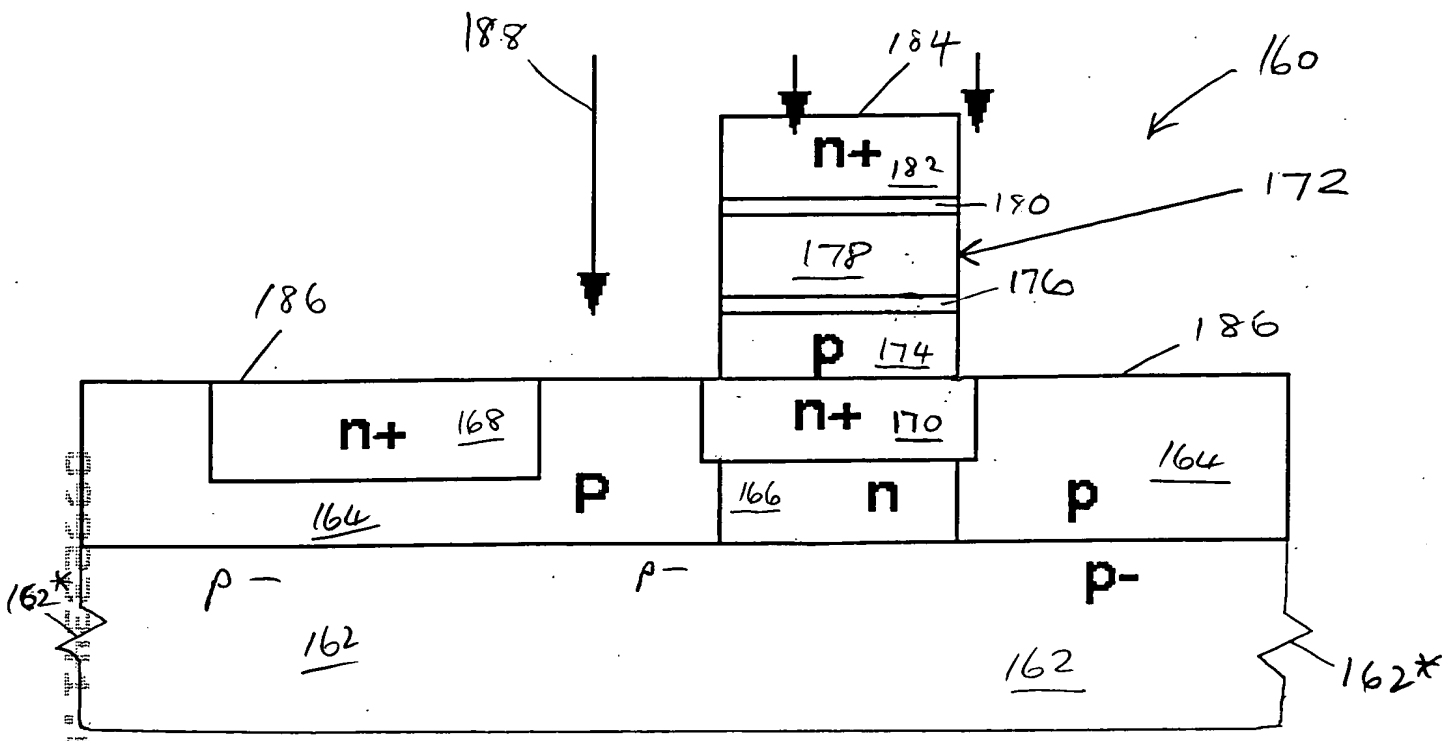


FIGURE 13

FIGURE 14

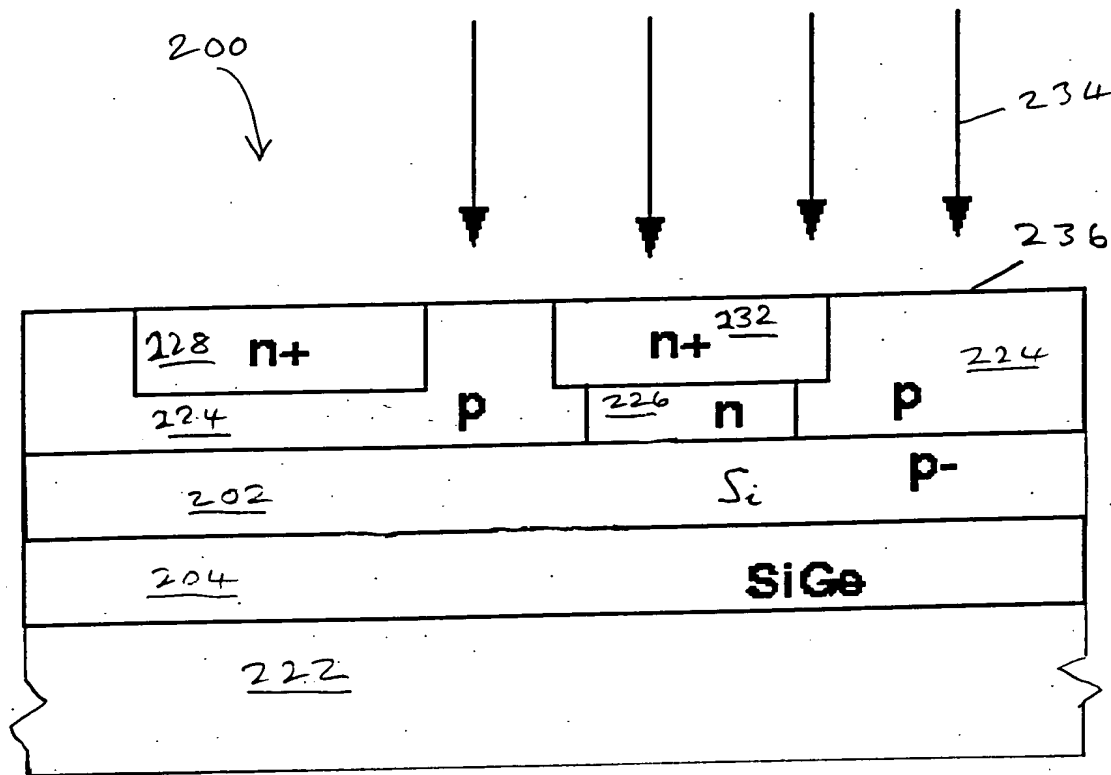


FIGURE 15

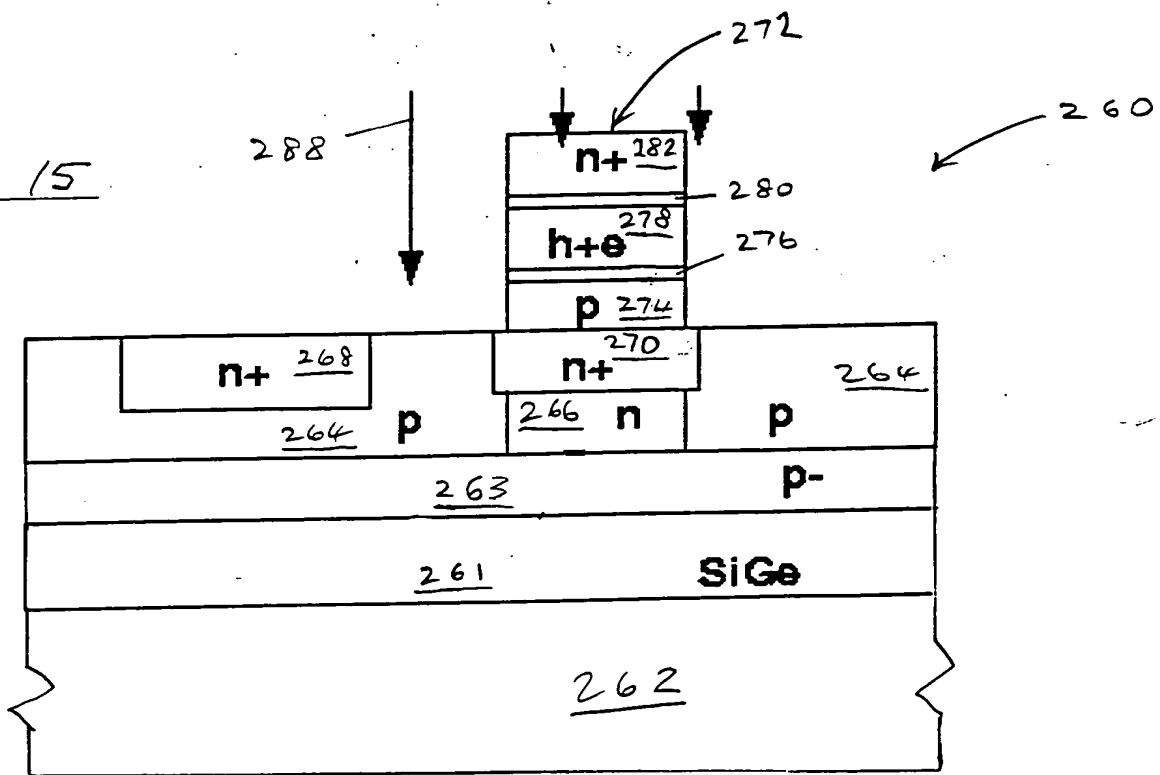
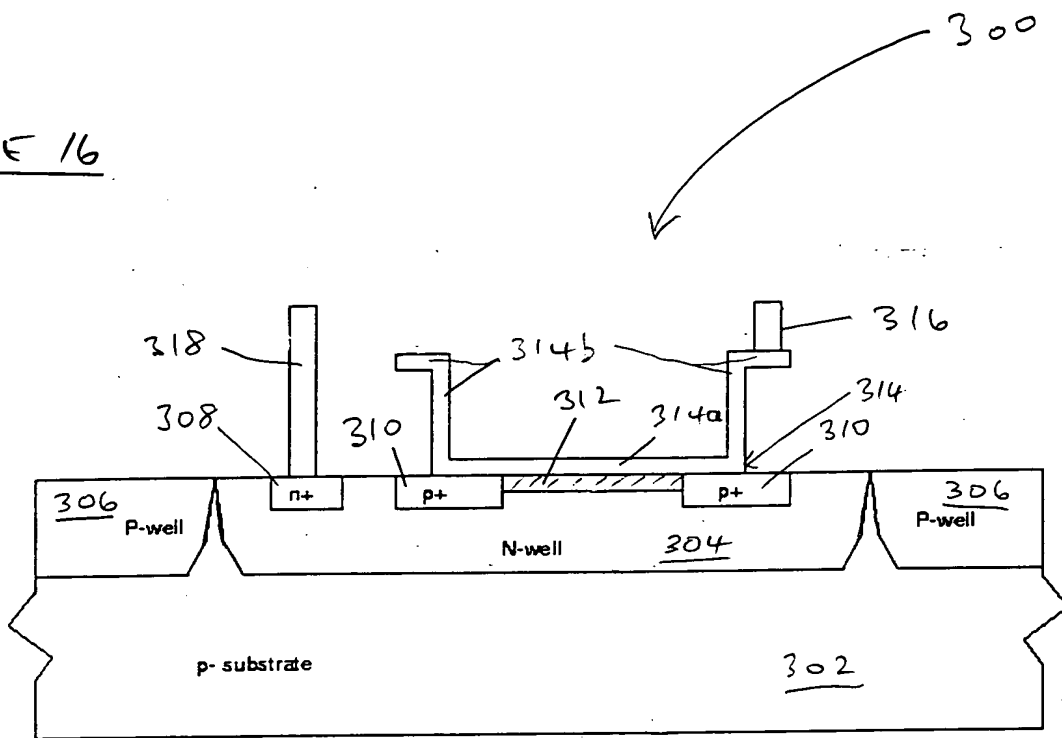


FIGURE 16



400

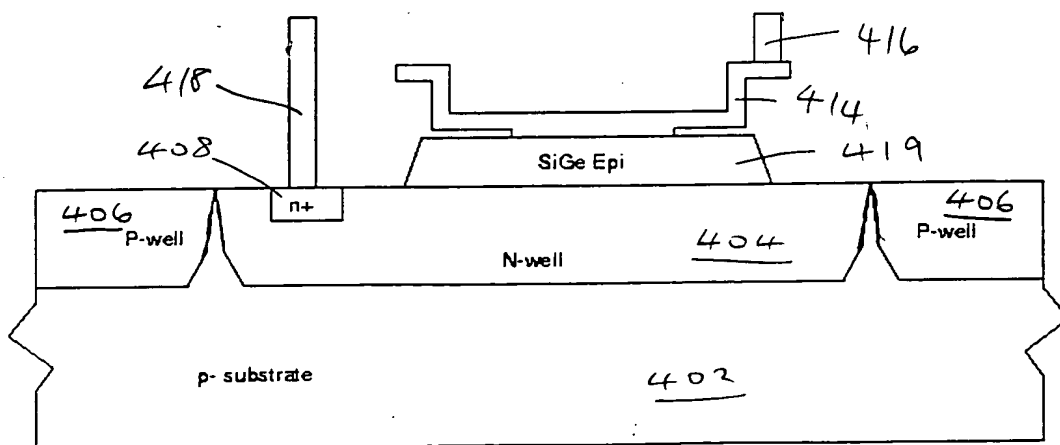


FIGURE 17

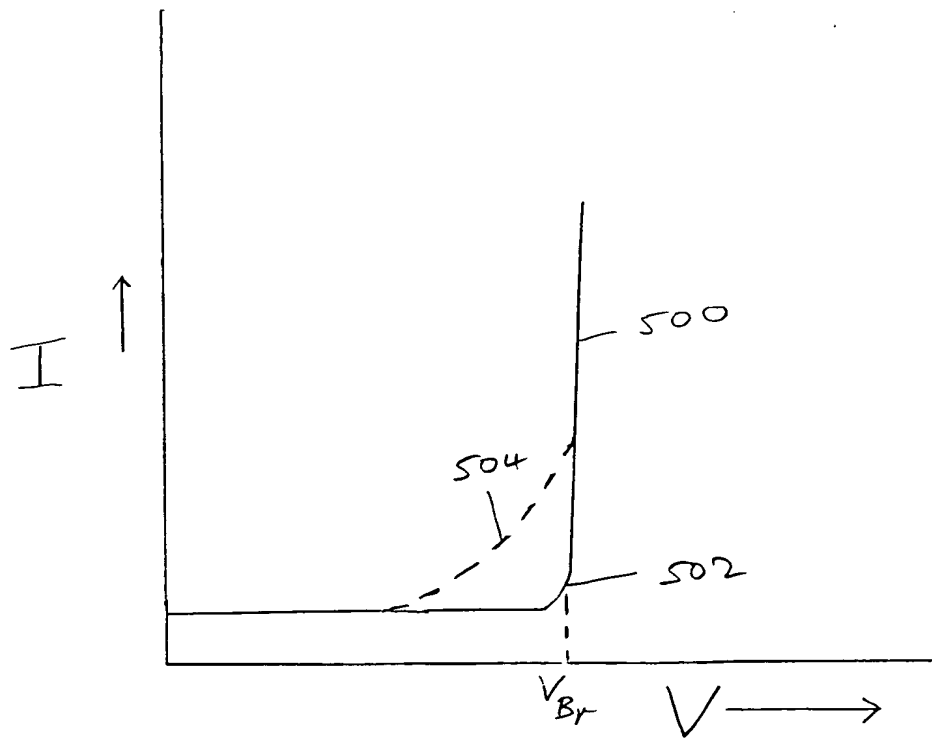


FIGURE 18

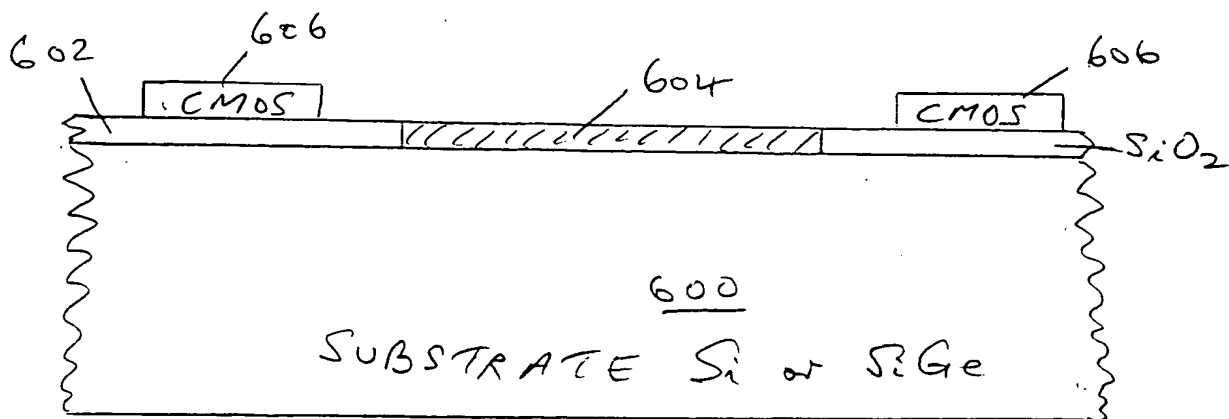


FIGURE 19

